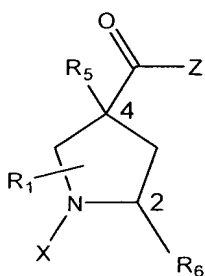


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A compound having the formula



(1)

where:

X represents a first amine protecting group that is different from Y, wherein the first amine protecting group is selected from the group consisting of 9-fluorenylmethyl carbamate, allyl carbamate, benzyl carbamate, substituted benzyl carbamate, t-butyl carbamate, 1-adamantyl carbamate, 2-nitrobenzenesulfonyl, triphenylmethyl, (4-methoxyphenyl)diphenylmethyl, and 9-phenylfluorenyl;

Y represents a second amine protecting group that is different from X, wherein the second amine protecting group is selected from the group consisting of 9-fluorenylmethyl carbamate, allyl carbamate, benzyl carbamate, substituted benzyl carbamate, t-butyl carbamate, 1-adamantyl carbamate, 2-nitrobenzenesulfonyl, triphenylmethyl, (4-methoxyphenyl)diphenylmethyl, and 9-phenylfluorenyl;

Z represents a weak leaving group selected from the group consisting of short chain alkoxides, thiolates, azide, and sulfonamides;

R₁ represents an H and can be attached to the molecule at positions 2, 3 or 5;

R₅ represents N₃ or -NH-Y;

R₆ represents a carboxylic acid; and
the stereochemical configuration at positions 2 and 4 is selected from the group consisting of (R,R), (R,S), (S,R), and (S,S).

Claims 2-3 (canceled).

Claim 4 (original): The compound of Claim 1, wherein Z is OMe.

Claim 5 (previously presented): The compound of Claim 1, wherein X is selected from the group consisting of benzyl-carbamate and t-butyl carbamate.

Claim 6 (original): The compound of Claim 1, wherein Y is 2-nitrobenzenesulfonamide.

Claim 7 (original): The compound of Claim 1, wherein Y is 9-fluoroenylmethylcarbamate.

Claim 8 (previously presented): The compound of Claim 1, wherein X is benzylcarbamate, R₅ is -NH-Y, Y is 9-fluoroenylmethylcarbamate, Z is -OMe, and R₆ is a carboxylic acid.

Claims 9-12 (canceled).

Claims 13-294 (withdrawn).

Claim 295-300 (canceled).